Abridged translation (JP No.2000-40064)

[0015]
Fig. 1 is a block diagram which shows a whole arrangement of a mobile client server system using a network access certification method of an embodiment of the present invention.

[0016]
As shown in Fig.1, the above system comprises a plurality of mobile computers 11-11n (mobile terminals) as mobile clients, a plurality of (at least three) GPS (Global Positioning System) satellites 31-34 (four satellites are shown in the embodiment), and a base station 5 on the ground. In addition to the arrangement, the above system also comprises a wired network (network) 7, a remote access server (access server)13, and a file 15. Each mobile terminal 11-11n has the same construction therein, thus, only the mobile terminal 11 will be explained herein after and the description about the mobile terminals 12-11n shall be omitted.

[0017]
The mobile terminal 11 accesses remotely to the file server 13 via a mobile network having base station 5 to communicate with the file server, thereby obtaining information (file) which is requested by a mobile user from file 15 which is managed by the file server 13. The mobile terminal11 comprises a transceiver unit 171, GPS 191, and information processing unit 211.

[0018]
The transceiver 171 receives GPS information wirelessly transmitted from each GPS satellites 31-34 to provide the GPS, and provides with the information processing unit 211 information wirelessly transmitted from the file server via the base station 5. The transceiver unit 171 wirelessly transmits the present location information given by the GPS

191 to the base station 5 together with sending ID information given by the information processing unit 211, login name, password name, and information request.

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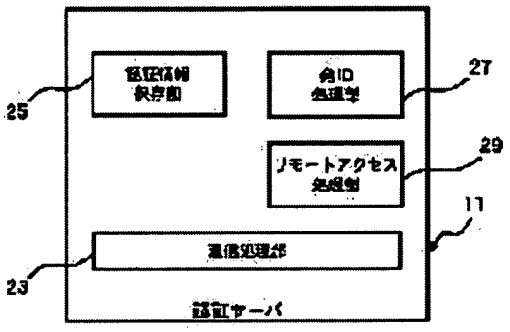
(71)Applicant : **NTT DATA CORP**
(72)Inventor : **TAKAHASHI NARIFUMI**
YOSHIKAWA AKIO

(54) CERTIFYING SYSTEM OF NETWORK ACCESS

(57)Abstract:
PROBLEM TO BE SOLVED: To prevent illegal access in the case of accessing from a mobile terminal to a cable network.
SOLUTION: Corresponding to remote access from a mobile terminal 11 to the network, a communication processing part 23 receives an originating ID transmitted from the mobile terminal 11 and dispatches it to an originating ID processing part 27. While using this originating ID, the originating ID processing part 27 requests the acquisition of the past access history of the mobile terminal 11 to a certified information preserving part 25 and when the past access history is received, the originating ID processing part 27 calculates the moving velocity (v) of the mobile terminal 11 from the past access history, the current positional information and the access time or the like of the mobile terminal 11 supplied from the mobile terminal 11. When the moving velocity (v) does not exceed the upper limit value of the moving velocity, the originating ID processing part 27 judges it as legal access and a remote access processing part 29 permits the access. When the moving velocity (v) exceeds the upper limit value of the moving velocity, the access at this time is judged as an illegal one and the remote access processing part 29 inhibits the access.



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